

ω -Agatoxin IVA TFA

Chemical Properties

CAS No. :

Formula: C217H360N68O60S10.C2HF3O2

Molecular Weight: 5316.27

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	ω -Agatoxin IVA TFA is a potent selective inhibitor of P/Q type Ca ²⁺ (Cav2.1) channels, with IC ₅₀ values of 2 nM for P-type and 90 nM for Q-type channels. It effectively inhibits glutamate exocytosis and calcium influx induced by high potassium, with IC ₅₀ values ranging from 30 to 225 nM. Additionally, it blocks high potassium-induced serotonin and norepinephrine release, without impacting L-type or N-type calcium channels [1][2].
Targets(IC50)	Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1881 mL	0.9405 mL	1.881 mL
5 mM	0.0376 mL	0.1881 mL	0.3762 mL
10 mM	0.0188 mL	0.0941 mL	0.1881 mL
50 mM	0.0038 mL	0.0188 mL	0.0376 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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